

In the Claims

1-61 (Canceled).

62 (new). A transformed host cell that comprises one or more genetic construct that comprises SEQ ID NO: 1, SEQ ID NO: 2, and SEQ ID NO: 3, wherein said transformed host cell produces albicidin.

63 (new). The transformed host cell of claim 51, wherein said one or more genetic construct contains a combination of SEQ ID NO: 1, SEQ ID NO: 2 and SEQ ID NO: 3.

64 (new). The transformed host cell of claim 51, wherein said host cell has been transformed with a first genetic construct comprising SEQ ID NO: 1, a second genetic construct comprising SEQ ID NO: 2 and a third genetic construct comprising SEQ ID NO: 3.

65 (new). A transformed host cell comprising a one or more polynucleotides encoding a biosynthetic pathway for albicidin production, said one or more polynucleotides encoding SEQ ID NO: 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, and 47 and wherein said host cell produces albicidin.

66 (new). A combination of isolated polynucleotides that encode SEQ ID NO: 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, and 47.

67 (new). The combination of isolated polynucleotides according to claim 66, wherein said combination of polynucleotides comprises SEQ ID NO: 1, SEQ ID NO: 2 and SEQ ID NO: 3.

68 (new). The combination of isolated polynucleotides according to claim 66, wherein said polynucleotides that encode SEQ ID NO: 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39,

40, 41, 42, 43, 44, 45, 46, and 47 are SEQ ID NOS: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, and 25.

69 (new-withdrawn). A method of making an antibiotic comprising the culturing of a transformed host cell according to claim 65 under conditions that allow for the production of said antibiotic.

70 (new-withdrawn). The method according to claim 69, further comprising the isolation of said antibiotic.